

WHAT IS CLAIMED IS:

1. A personal care product comprising, within a pressurized container:
a personal care formulation;
a propellant; and
a sorbant that has formed a gel with at least a portion of the propellant.
2. The personal care product of claim 1 wherein a first portion of the propellant is present in the container as a gas, and a second portion of the propellant is adsorbed onto the sorbant as a gel.
3. The personal care product of claim 2 wherein the first and second portions comprise substantially all of the propellant.
4. The personal care product of claim 2 wherein a third portion of the propellant is emulsified into the personal care formulation as a liquid.
5. The personal care product of claim 4 wherein there is a gas/liquid phase equilibrium present in the container.
6. The personal care product of claim 1 wherein the sorbant comprises a polymer.
7. The personal care product of claim 6 wherein the polymer is partially cross-linked.
8. The personal care product of claim 7 wherein the polymer is cross-linked to an extent that will permit it to swell upon adsorption of propellant, while remaining substantially insoluble in the propellant.
9. The personal care product of claim 6 wherein the polymer is selected from the group consisting of silicones, polysiloxanes, polybutenes, polypropylenes, polyethylenes, and latex rubbers.

10. The personal care product of claim 1 or 9 wherein the sorbant comprises a foam or a fibrous material.

11. The personal care product of claim 6 wherein the solubility parameter of the polymer is within 2 units of the solubility parameter of the propellant.

12. The personal care product of claim 1 or 4 wherein the personal care formulation comprises a soap solution.

13. The personal care product of claim 1 or 3 wherein the personal care formulation comprises a gel.

14. The personal care product of claim 1 wherein the personal care formulation comprises an aqueous salt solution.

15. The personal care product of claim 1 wherein the personal care product is selected from the group consisting of shaving products, antiperspirant products or deodorant products.

16. The personal care product of claim 1 wherein the propellant comprises a hydrocarbon oil.

17. The personal care product of claim 15 wherein the propellant has a vapor pressure of less than 125 psia at 70°F.

18. The personal care product of claim 1 wherein the product is dispensed from the container as a foam, and the foam density of the product remains substantially constant until at least 70% of the contents of the can have been exhausted.

19. The personal care product of claim 1 wherein the sorbant has a relatively higher affinity for the propellant than for the personal care formulation.

20. The personal care product of claim 1 wherein the propellant is substantially insoluble in the personal care formulation.

21. A personal care product comprising
a single compartment container, and, within the container, a personal care gel formulation and a propellant, wherein substantially all of the propellant is either sorbed onto a sorbant or present in its gaseous phase.

22. The personal care product of claim 21 wherein the sorbant has a relatively higher affinity for the propellant than for the personal care formulation.

23. The personal care product of claim 21 wherein the sorbant comprises a polymer.

24. The personal care product of claim 23 wherein the polymer is partially cross-linked.

25. The personal care product of claim 21 wherein the sorbant comprises a foam or a fibrous material.

26. The personal care product of claim 21 wherein the personal care gel formulation is selected from the group consisting of shaving gels, antiperspirant gels and deodorant gels.

27. A method of manufacturing a personal care product comprising:

- (a) providing, within a container, a sorbant;
- (b) delivering, to the container, a personal care formulation;
- (c) sealing the container; and
- (d) pressurizing the container with a propellant.

28. The method of claim 27 wherein the sorbant is delivered to the container with, before, or after the delivery of the personal care formulation.

29. The method of claim 27 wherein the sorbant is adhered to or coated on an inner surface of the container prior to delivery of the personal care formulation.

30. The method of claim 27 wherein the sorbant is adhered to or coated on a dip tube inserted into the container.